FIGURE 1

FIGURE 2

CPM

PA2885   PFTR   I2   No Ag   SEB

0   10000   20000   30000   40000   50000

☐ 1 ug/ml
■ 5 ug/ml

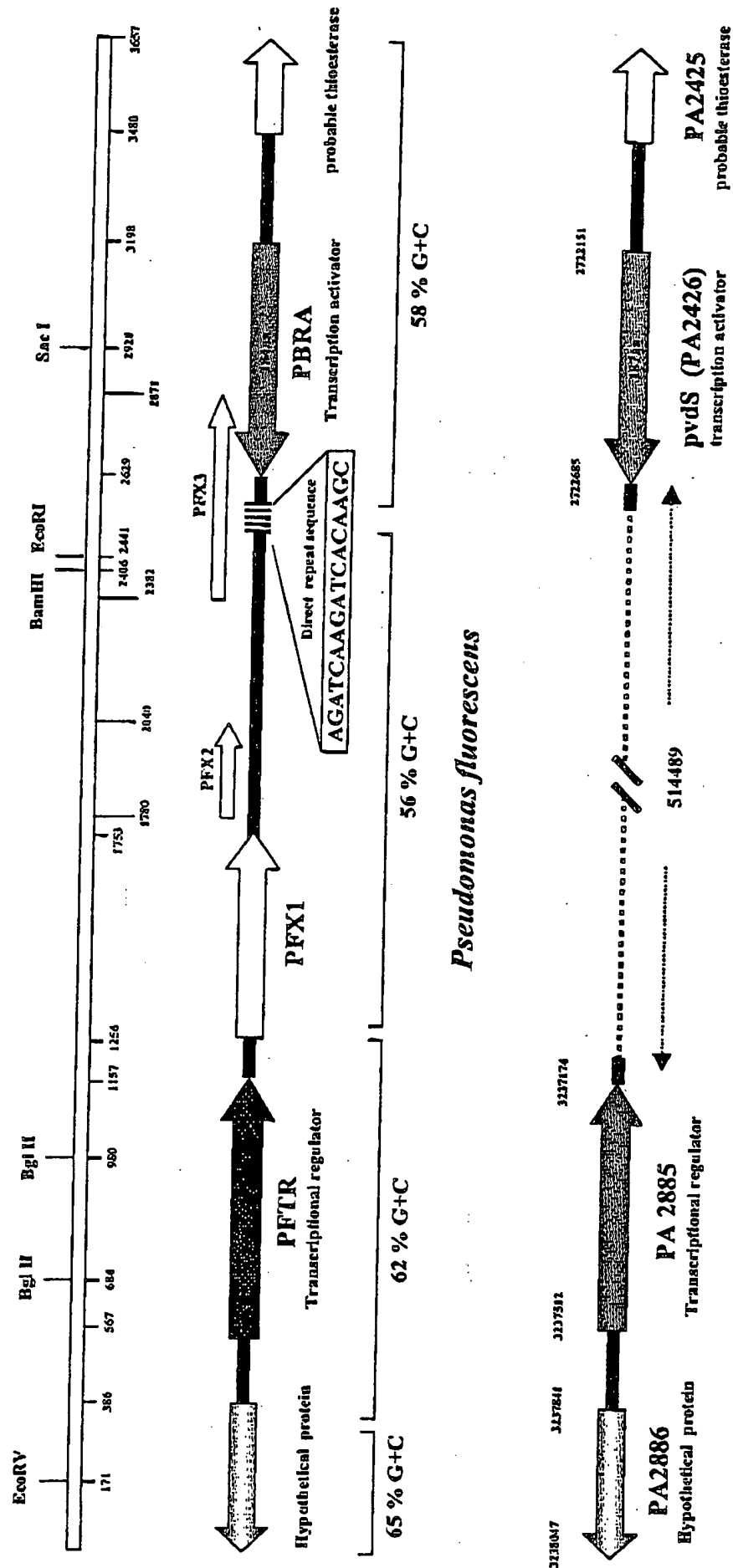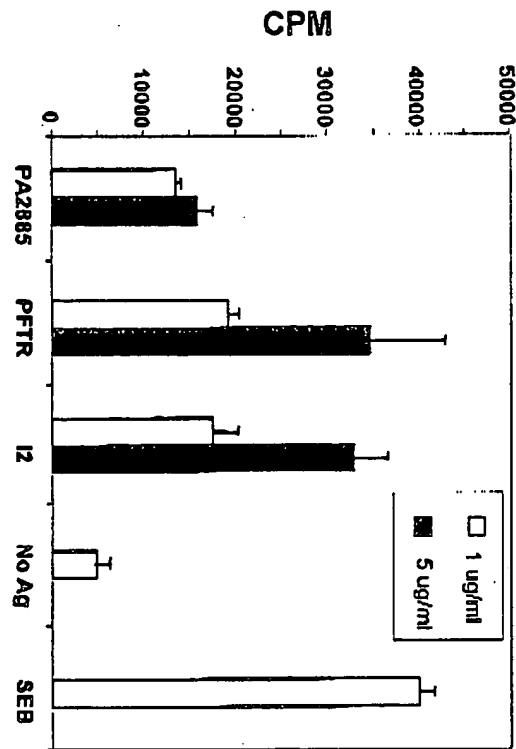**FIGURE 3**

atgacggaaccagtatccacaggcaggtgcgattcacccttctccaggcgttcgtcgacaatcg

actgattctggtgaagatcgcggcccgtatcaccgggtgccgctcccgcgccgaagacgtggtgc

aggacgcctacttccggctgcagtcggcgccgaccatcacctcatcgttcaaggcccaactgagt

tatctgtttcagatcgtacgcaacctggcgatcgatcattaccgcaagcaggccctggagctcaa

atactccgggaccgaagaggaaggcttgaatgtggttattcacggcgcttcaccggaaacctcgc

acatcaatttcaacaccctggaaaacatcgccgacgccctgacgcaactgccccagcgcacccgc

tacgcgttcgagatgtaccgcttgcatggcgtgccgcaaaaagacatcgccaaggagcttggggt

gtctccgaccttggtgaacttcatgattcgcgatgcgctggtgcattgccgcaaggtgtcgggca

gtcatagcgatacgtttgcgcggcgggtttaa

FIGURE 4A

MTEPVSTGRCDSPLLQAFVDNRLILVKIAARITGCRSRAEDVVQDAYFRLQSAPTITSSFKAQLS
YLFQIVRNLAIDHYRKQALELKYSGTEEEGLNVVIHGASPETSHINFNTLENIADALTQLPQRTR
YAFEMYRLHGVPQKDIAKELGVSPTLVNFMIRDALVHCRKVSGSHSDTFARRV

FIGURE 4B

ATGCGCACCATGGTCGACAGTGGCCAATTGACCGACCCCGAGAGCGCCCGCGGCAAGTTGCTGCA

AACCGCGGCTCATCTGTTTCGCAACAAGGGTTTCGAGCGCACCACCGTGCG<u>AGATCTGGCCAGCG</u>

<u>CCGTGGGCATCCAGTCCGGCAGCATCTTTCATCACTTCAAGAGCAAGGATGAGATATTGCGTGCC</u>

<u>GTGATGGAGGAAACCACCCATTACAACACCGCGATGATGCGCGCTTCACTGGAAGAAGCGAGCAC</u>

<u>GGTGCGCGAACGCGTGCTGGCGCTGATCCGCTGCAAGTTGCAGTCGATCATGGGCGGCAGTGGCG</u>

<u>AGGCCATGGCGGTG**CTGGTCTAC**GAATGGCGCTCGCTGTCGGCCGAAGGCCAGGCGCACGTGCTG</u>

<u>GCCCTGCGTGACGTGTATGAGCAGATCT</u>GGTTGCAGGTACTGGGCGAGGCCAAGGCCGCTGGCTA

CATC**CGGGGCGAC**GTGTTTATTACCCGGCGCTTCCTCACCGGGGCCTTATCCTGGACCACCACCt

GGTTTCGTGCCCAAGGCAGCC*TGACCCTTGAGGAGTTGGCCGAAGA*GGCCttgttgaTggtGCTG

AAGTCGGACTGA

FIGURE 5A

MRTMVDSGQLTDPESARGKLLQTAAHLFRNKGFERTTVR<u>DLASAVGIQSGSIFHHFKSK̂DEILRA</u>

<u>VMEETTHYNTAMMRASLEEASTVRERVLALIRCKLQSIMGGSGEAMAV**LVY**EWRSLSAEGQAHVL</u>

<u>ALRDVYEQI</u>WLQVLGEAKAAGYI**RGD**VFITRRFLTGALSWTTTWFRAQGSLTLEELAEEALLMVL

KSD

FIGURE 5B

```
   1 cgacggcccg ggctggtctg tttgagttga gggtgcaggt catcgccgag caacacggcg
  61 attttcagcg ggatgtgcgc gttatcgcag gccgcttgca gggcggcggc gcaggcttgg
 121 gggttgatac caccggcatt gctgatcacc cggatgccct ggcgctggat atccgccagc
 181 aggggtgtca gcacctcgac aaaatccgtg gcgtaaccgg ccttggggtc tttcaggcgg
 241 gcaccggcga ggatcgacag ggtgacttcc gcgaggtaat cgaacaccag gtaatccaag
 301 gcaccgccct gcaccaattg ggcggcggcg gtgcaagtgt cgccccagaa ggcgctggcg
 361 cagccgatac gtaccgtctt gctcatgaga aatccttcct ccaagggctg gtgccgagac
 421 taccaagcaa gcgcttggtt tgtaaactcc agtcacaagt tttacccaag cgcttgcttg
 481 ggtggcagtc acggcctaaa ttgccggcca agacgacagt agacgtgaag gagagcagca
 541 tggatgagca caaagccctg ggggtgatgc gcaccatggt cgacagtggc caattgaccg
 601 accccgagag cgcccgcggc aagttgctgc aaaccgcggc tcatctgttt cgcaacaagg
 661 gtttcgagcg caccaccgtg cgagatctgg ccagcgccgt gggcatccag tccggcagca
 721 tctttcatca cttcaagagc aaggatgaga tattgcgtgc cgtgatggag gaaaccaccc
 781 attacaacac cgcgatgatg cgcgcttcac tggaagaagc gagcacggtg cgcgaacgcg
 841 tgctggcgct gatccgctgc aagttgcagt cgatcatggg cggcagtggc gaggccatgg
 901 cggtgctggt ctacgaatgg cgctcgctgt cggccgaagg ccaggcgcac gtgctggccc
 961 tgcgtgacgt gtatgagcag atctggttgc aggtactggg cgaggccaag gccgctggct
1021 acatccgggg cgacgtgttt attacccggc gcttcctcac cggggcctta tcctggacca
1081 ccacctggtt tcgtgcccaa ggcagcctga cccttgagga gttggccgaa gaggccttgt
1141 tgatggtgct gaagtcggac tgaggcgcaa gttattaatt tgctggcgaa agttgtctcc
1201 cccaataaaa acgcctagct tatcggcatt gaactcttca acggtgtgtg cctcgatgtt
1261 ttcgccatgg cggctggctg caggacttac tttatgggca ctgggcaccg ccgcgtggac
1321 gcaggctggt gccgcgcagt tggtgagaat cggcgcggcg cattttccgc cctacaccgt
1381 acgccctgaa caaggcgccg acaccgggtt gctgccgcaa ttggtcgagg cgttgaacgc
1441 tgcgcaaacc gattaccagt ttgtggtggt gcctacctcg atacctcggc gttttcgtga
1501 cttcgagcaa ggccgggtcg acatggcgat cttcgaaaac ccgtcctggg gttggcagaa
1561 tattgcccat accagtgttg atatggggct gaagatgcgg agatttttgt cgctcagcgt
1621 cagcccggtc gcgaccagag ttattttttcc gacctcaccg gaagcgctgg cggtattcag
1681 cgggtatcac tatgcctttg ctgacttcaa tcccgatccc aagaacatgc cgagcgtttc
1741 aacgcgacgt tgacctactc ccatgacagt aatctgctga tggttgctcg tgggcgtgca
1801 gatattgcgc tggttacccg ctcgtacctg agtgatttca tggtgcgcaa cgcggacatg
1861 gcgggggcagt ttttggtgtc ggagcgtatt gaccaggtgt atcaccacta cgcgttgttg
1921 cgnccaaggc acccgatcac tggtccggcg tttgccggaa ctgctcaagt cttgcgcgac
1981 agtggccaga tgctgaagat ttttgagccg tatcgtattg atgtgacgcc ggtgccctaa
2041 ggtcttagta agtaaaatcc ttcgggctca gtgggatcaa ctgtggaagc tggcttgcct
2101 gcgatggcgg cctgacagcc gacacagatt aattgatgct gatgccccgc gatccaatgt
2161 gggagcttgg cttgcctgcg aagacggcct gacagtcaac acagttggac cgtgtacata
2221 tccatccctt gcggtaacgg gctacttagg gttccgcttt tacagcggct cacttttgaa
2281 aagcgcaaaa gtaagcaaaa cgctcttgcc ccaccactcg gcacctcgcc aggctcggtg
2341 tgcccgtaat ccgccagtga tttggggggc gcccacgcgc atccatgcg cggggcggct
2401 aaacggatcc ctgccggttt accccccaaa tcccctgtcg aattccggcc agcgtggttt
2461 aacggggcgc ctaagatcaa aagccagatc aagatcacaa gcagatcaag atcacaagca
2521 gatcaagatc acaagcagat caagatcaca gcagatcaa gatcaagagc gggctcgctt
2581 cgcatcgtag tttccgtgga gcccttaccc acatatgtcg gcgctggatt aaacccgccg
2641 cgcaaacgta tcgctatgac tgcccgacac cttgcggcaa tgcaccagcg catcgcgaat
2701 catgaagttc accaaggtcg gagacacccc aagctccttg gcgatgtctt tttgcggcac
2761 gccatgcaag cggtacatct cgaacgcgta gcgggtgcgc tggggcagtt gcgtcagggc
2821 gtcggcgatg ttttccaggg tgttgaaatt gatgtgcgag gtttccggtg aagcgccgtg
2881 aataaccaca ttcaagcctt cctcttcggt cccggagtat ttgagctcca gggcctgctt
2941 gcggtaatga tcgatcgcca ggttgcgtac gatctgaaac agataactca gttgggcctt
3001 gaacgatgag gtgatggtcg cgccgactg cagccggaag taggcgtcct gcaccacgtc
3061 ttcggcgcgg gagcggcacc cggtgatacg ggccgcgatc ttcaccagaa tcagtcgatt
3121 gtcgacgaac gcctggagaa ggggtgaatc gcacctgcct gtggatactg gttccgtcat
```

FIGURE 6 (page 1 of 2)

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3181 ggaaatcacc ttgctgcgaa taggttaggg aagggcatcc ctgttaggcc tcctacatat
3241 cgggcaccaa attatgctta atgataatga ttgtcaaatg agaaggcgaa ctaatcttat
3301 gccttggcga aggtgtgaac cacgtctcgc tccccccggg cgactaatta tttgaaggct
3361 ccgtccgttc tcatgggtga caggttcgtt agtacaacgg ccaaggacca gcacccgcag
3421 gaggaccaga tgggttttta tcgtgcattc agcgtgtttc agttcggagt cctcgcggga
3481 tgagtacgtc cctgcggctg cgcctgtttt gcctgcccca ctcaggcgcc agcgcctcgg
3541 tctacgctcg ctggcgccgg gtgctgccgg actggctgca agtgtgcccg ctggaattgc
3601 cgggacgcgg catgcgcatg gacgagccat tgcagcgcga taccagcccg ggccgtc
```

FIGURE 6 (page 2 of 2)